

Amendment under 37 CFR 1.111
Serial No. 09/866,658
Attorney Docket No. 010700

AMENDMENTS TO THE CLAIMS:

This listing of claims replaces all prior versions and listings of claims in the application.

Listing of claims:

Claim 1 (Currently Amended): A printer which supports a power save mode and performs printing by accepting receiving a print request from a client via a network, comprising:

a packet monitoring means for monitoring packets flowing on said monitor that monitors a packet on the network, and for updating and storing a updates and stores client-associated last received time by client, the client-associated last receiving time being the last time when the printer receives the packet for using the printer from the client each time a packet is received from any client of said printer;

a printer usage rate computing means for determining, by referring to said client associated last receive time stored by said packet monitoring means, that any client from whose associated last receive time has elapsed a prescribed time is in an computer that determines client condition based on the client-associated last received time, the client condition being idle condition when the packet is not received for a predetermined time, and computes for computing a printer usage rate when the client condition is not the by summing past average usage rates of clients that have been determined not to be in an idle condition; and

a time setting unit that sets means for setting, based on said printer usage rate computed by said printer usage rate computing means, the length of time to switch to the

Amendment under 37 CFR 1.111
Serial No. 09/866,658
Attorney Docket No. 010700

~~allowed before a transition is made to said power save mode based on the printer usage rate.~~

Claim 2 (Currently Amended): A The printer as claimed in claim 1, further comprising:
~~means for forcing said printer to transition to a switching unit that switches the power save mode to a standby mode when said the printer is in said power save mode and when said printer usage rate computed by said the printer usage rate computer computing means is higher than a predetermined value.~~

Claim 3 (Currently Amended): A The printer as claimed in claim 1, wherein said time setting means unit determines the length of time allowed before ~~the a~~ transition to said the power save mode, by determining a power save interval according to said the printer usage rate and subtracting an elapsed time in a mode other than said the power save mode from said the power save interval.

Claim 4 (Currently Amended): A power save control method using for ~~use~~ by a printer, the printer for supporting that supports a power save mode and performs printing by accepting performing print by receiving a print request from a client via a network, the method comprising the steps of:

(a) monitoring ~~packets flowing on said a packet on the~~ network, and updating and storing a client-associated last received time each time a packet is received from any client of said printer

Amendment under 37 CFR 1.111
Serial No. 09/866,658
Attorney Docket No. 010700

when the printer receives the packet for using the printer from the client, the client-associated last received time being the last time when the printer receives the packet for using the printer from the client;

(b) determining[[,]] by referring to said client condition based on the client-associated last received time, stored in said step (a), that any client from whose associated last receive time has elapsed a prescribed time is in the client condition being idle condition when the packet is not received for a predetermined time, and

computing a printer usage rate when the client condition is not the by summing past average usage rates of clients that have been determined not to be in an idle condition; and

(c) setting[[,]] based on said printer usage rate computed in said step (b), the length of time to switch to the allowed before a transition is made to said power save mode based on the printer usage rate.

Claim 5 (Currently Amended): A The power save control method as claimed in claim 4, further comprising: the steps of forcing said printer to transition switching the power save mode to a standby mode when said the printer is in said power save mode and when said printer usage rate computed in said step (b) is higher than a predetermined value.

Claim 6 (Currently Amended): A The power save control method as claimed in claim 4 5, wherein a process of the setting further determines said step (c) determines the length of time

Amendment under 37 CFR 1.111
Serial No. 09/866,658
Attorney Docket No. 010700

allowed before the transition to said power save mode, by determining a power save interval according to ~~said~~ the printer usage rate and subtracting an elapsed time in a mode other than ~~said~~ the power save mode from ~~said~~ the power save interval.

Claim 7 (Currently Amended): A recording medium readable by a computer, the storage medium storing a program of instructions executable by the computer to perform a function for controlling ~~printer that supports~~ a power save mode using for a printer, the printer for performing print by receiving and performs printing by accepting a print request from a client via a network, the function comprising ~~said recording medium having stored thereon a program for causing said printer to implement a power save control method comprising the steps of:~~

(a) monitoring ~~packets flowing on~~ said a packet on the network, and updating and storing a client-associated last received time each time a packet is received from any client of said printer when the printer receives the packet for using the printer from the client, the client-associated last received time being the last time when the printer receives the packet for using the printer from the client;

(b) determining[[,]] ~~by referring to~~ said client condition based on the client-associated last received time, stored in ~~said step (a), that any client from whose associated last receive time has elapsed a prescribed time is in an~~ the client condition being idle condition when the packet is not received for a predetermined time, and

Amendment under 37 CFR 1.111
Serial No. 09/866,658
Attorney Docket No. 010700

computing a printer usage rate when the client condition is not the by summing past average usage rates of clients that have been determined not to be in an idle condition; and

(e) setting[[,]] based on said printer usage rate computed in said step (b), the length of time to switch to the allowed before a transition is made to said power save mode based on the printer usage rate.

Claim 8 (Currently Amended): A recording The storage medium as claimed in claim 7, further comprising: switching the power save mode wherein said power save control method further comprises the steps of forcing said printer to transition to a standby mode when said printer is in said power save mode and when said the printer usage rate computed in said step (b) is higher than a predetermined value.

Claim 9 (Currently Amended): A recording The storage medium as claimed in claim 7, wherein a process of the setting further said step (e) determines the length of time allowed before the transition to said the power save mode, by determining a power save interval according to said the printer usage rate and subtracting an elapsed time in a mode other than said the power save mode from said the power save interval.

Claim 10 (Cancelled).

Amendment under 37 CFR 1.111
Serial No. 09/866,658
Attorney Docket No. 010700

Claim 11 (New): The printer as claimed in claim 1, further comprising:
a list generator that generates a list of the clients which is working on the network when
the packet is received by the printer.